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Vita

Birthdate:	August 26, 1970
Birthplace:	Hoppstaedten-Weiersbach, W. Germany
Citizenship:	United States

Education

M.S. Computer Science, San Francisco State University, 1999
B.A. Anthropology, Brown University, 1993

Research Interests

Grid monitoring systems; data-intensive high-performance distributed systems and high-speed networking; instrumentation, logging, and visualization of performance data from distributed applications; applications of distributed computing to scientific research.

Narrative

Dan Gunter is a Computer Systems Engineer (CSE-III) at Lawrence Berkeley National Laboratory as part of the NERSC Data-Intensive Distributed Computing group, led by Brian L. Tierney. He was hired as a full-time engineer in May of 1999 after finishing his thesis while working as a student intern with the DIDC group; during this time he was the principal developer of the NetLogger Visualization tool (NLV) for the NetLogger Toolkit. He has also worked on the Distributed Parallel Storage System, the NetLogger Toolkit, and Enable. He is the principal developer for the Python Grid Monitoring Architecture (pyGMA).

Published Work

- Tierney, B., D. Gunter, J. Lee, M. Stoufer, "Enabling Network-Aware Applications" , Proceedings of the 10th IEEE Symposium on High Performance Distributed Computing (HPDC-10), August 2001, LBNL-47611.
- Lee, J., D. Gunter, B. Tierney, W. Allock, J. Bester, J. Bresnahan, S. Tuecke, "Applied Techniques for High Bandwidth Data Transfers across Wide Area Networks", Sept 2001, LBNL-46269, CHEP 01, September 2001, Beijing China.
- Bethel, W., B. Tierney, J. Lee, D. Gunter, S. Lau, "Using High-Speed WANs and Network Data Caches to Enable Remote and Distributed Visualization", Proceeding of the IEEE Supercomputing 2000 Conference, Nov. 2000. LBNL-45365.
- Tierney, B., B. Crowley, D. Gunter, J. Lee, M. Thompson, "A Monitoring Sensor Management System for Grid Environments", Cluster Computing Journal, vol 4-1, 2001, Baltzer Science Publications
- Gunter, D., B. Tierney, B. Crowley, M. Holding, J. Lee, "NetLogger: A Toolkit for Distributed System Performance", Analysis Proceedings of the IEEE Mascots 2000 Conference (Mascots 2000), August 2000, LBNL-46269.
- Tierney, B. Crowley, D. Gunter, M. Holding, J. Lee, M. Thompson A Monitoring Sensor Management System for Grid Environments Proceedings of the IEEE High Performance Distributed Computing conference (HPDC-9), August 2000, LBNL-45260.
- Tierney, B., D. Gunter, J. Becla, B. Jacobsen, D. Quarrie, "Using NetLogger for Distributed Systems Performance Analysis of the BaBar Data Analysis System" , Proceedings of Computers in High Energy Physics 2000 (CHEP 2000) , Feb. 2000, LBNL-44828.
- Gunter, D., "NLV/NLA: NetLogger Visualization and Analysis", Master's Thesis, Dept. of Computer Science, San Francisco State University, May 1999.

- Tierney, B., W. Johnston, B. Crowley, G. Hoo, C. Brooks, D. Gunter. "The NetLogger Methodology for High Performance Distributed Systems Performance Analysis", Proceeding of IEEE High Performance Distributed Computing conference (HPDC-7), July 1998, LBNL-42611.

Invited Talks

- "Structuring, Locating, and Delivering Grid Performance Information", Third International APART Workshop, 16 November 2001, Denver, CO
- "Enabling Network-Aware Applications", HPDC-01 at San Francisco, CA, USA, August 2001
- "Future Directions for the Grid Monitoring Architecture", CERN: Geneva, Switzerland, March 2001

Professional Activities

Active member of GGF Performance Working Group
Member of ACM, IEEE Computer Society, and USENIX.